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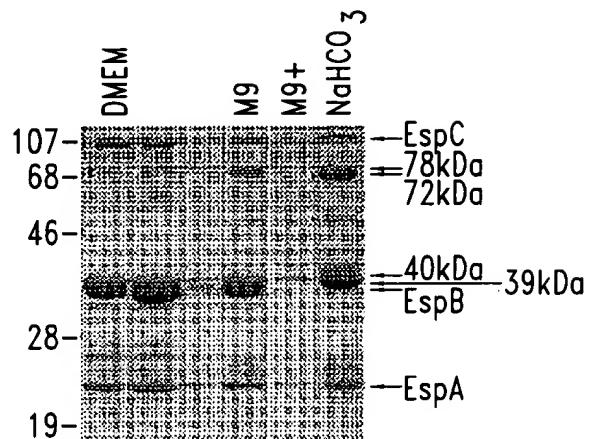


FIG. 1A

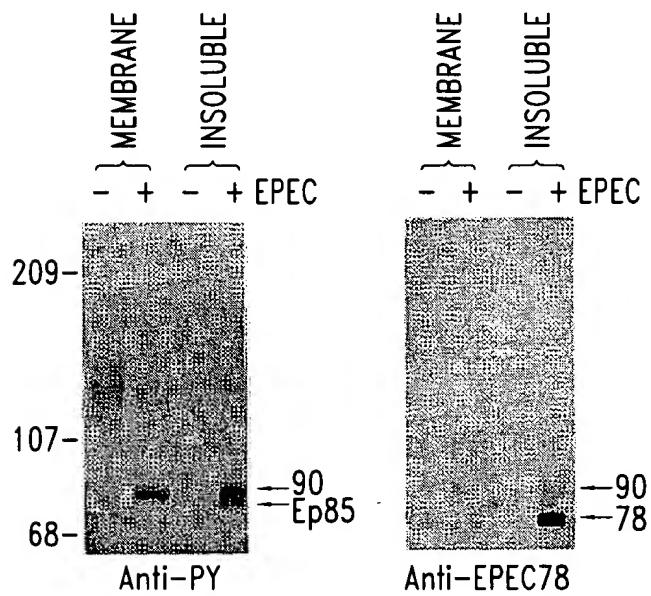


FIG. 1B

Serial No. 09/189,415 Docket No. 482112.402

Inventor(s): B. Brett Finlay et al.

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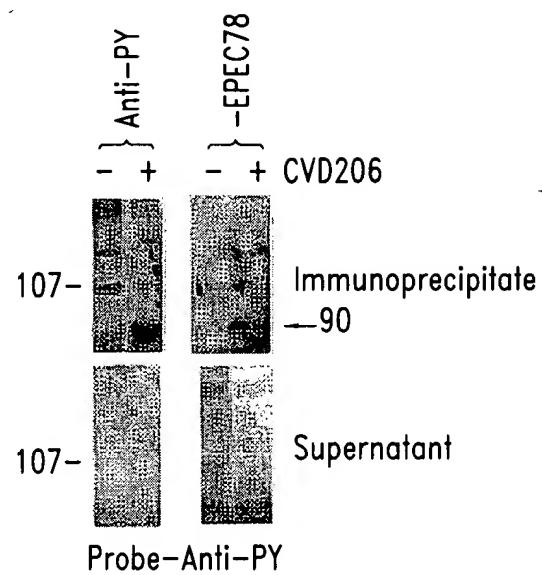


FIG. 2A

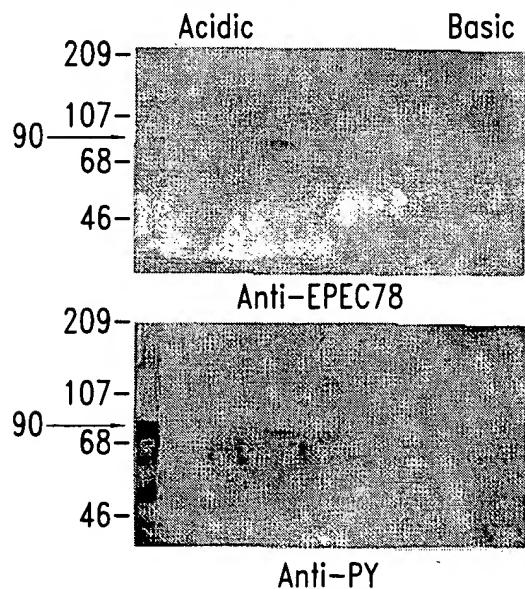


FIG. 2B

Serial No. 09/189,415 Docket No. 482112.402
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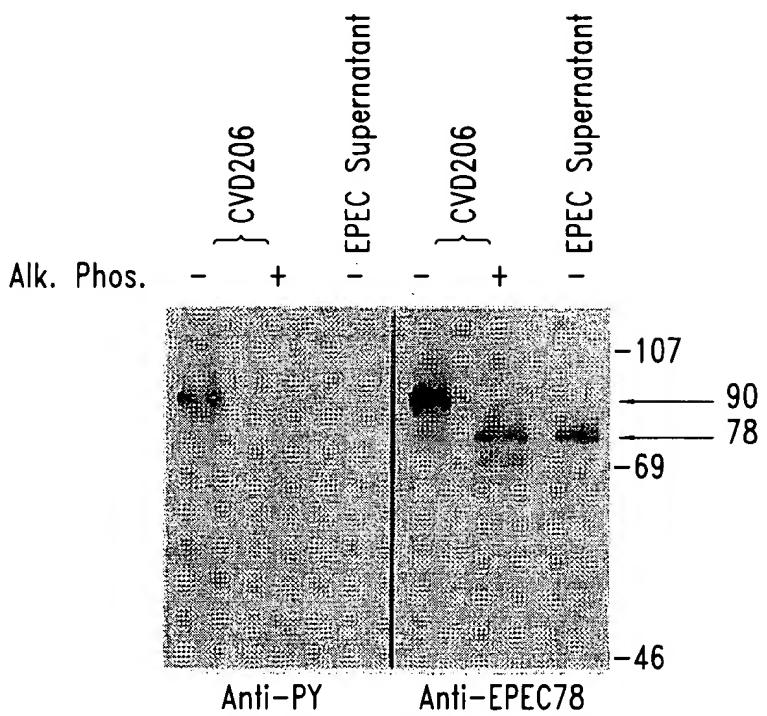


FIG. 3



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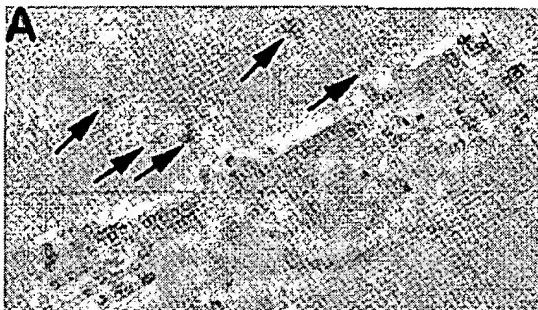


FIG. 4A

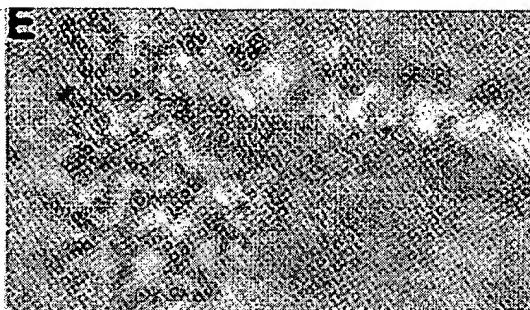


FIG. 4E



FIG. 4B



FIG. 4F

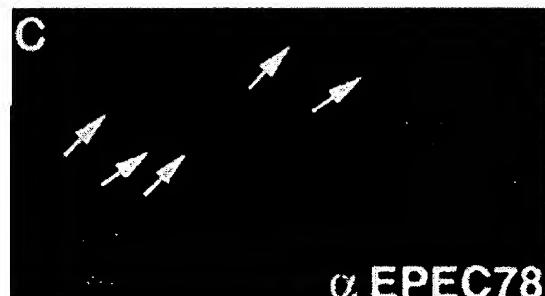


FIG. 4C



FIG. 4G



FIG. 4D

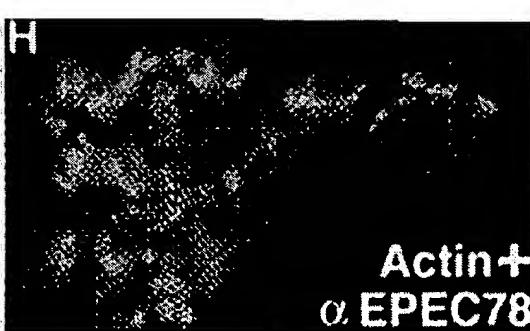


FIG. 4H

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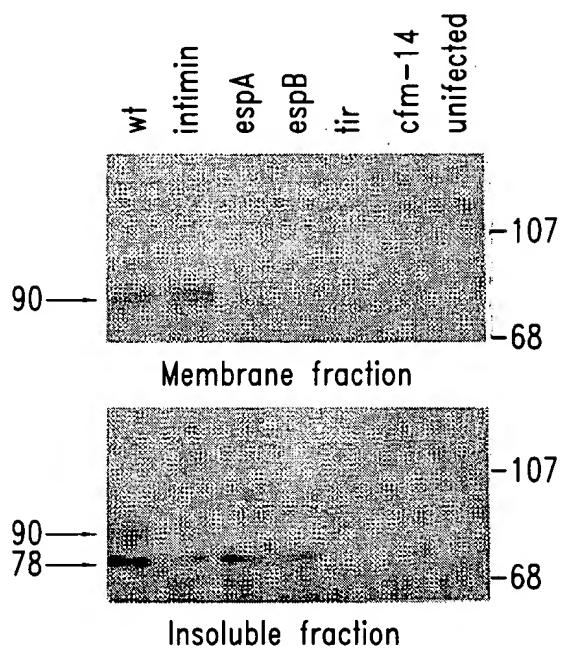


FIG. 5

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cggtgcataccgttacgtcatagtaataaaggaacgtgtcaaattctaaataaaag	60
tir -->	
gatatatgtATGCCTATTGGTAACCTGGTAATAATGTAATGGCAATCATTAAATTCCC	120
M P I G N L G N N V N G N H L I P	
CCTCGCCGCCACTACCTCACAAACAGACGGCGCGCACGGGGAGGAAGTGGTCATCTA	180
P A P P L P S Q T D G A A R G G T G H L	
ATTAGCTCTACAGGAGCATTAGGATCTCGTTATTGTTCTCCCTGAGAAATTCTATG	240
I S S T G A L G S R S L F S P L R N S M	
GCTGATTCTGTCGATTCCAGAGATATTCCAGGACTTCCTACAAACCCATCGAGGCTTGCT	300
A D S V D S R D I P G L P T N P S R L A	
GCAGCTACATCTGAGACATGCTGCTGGAGGATTGAAGTTCCATGATAAGGGGCCA	360
A A T S E T C L L G G F E V L H D K G P	
CTTGATATTCTAATACGCAAATTGGACCTCTGCATTCTGTTGAAGTCAGGCAGAT	420
L D I L N T Q I G P S A F R V E V Q A D	
GGTACTCATGCCGCTATTGGAGAAAAAAATGGTTGGAGGTTAGCGTTACATTAAGTCCT	480
G T H A A I G E K N G L E V S V T L S P	
CAAGAATGGAGCAGCTGCAATCTATTGATACTGAGGGTAAACAGATTGTTTACCC	540
Q E W S S L Q S I D T E G K N R F V F T	
GGGGGACGTGGCGGTAGTGGCATCCGATGGTCACTGTCGCATCAGATATCGCGGAAGCT	600
G G R G G S G H P M V T V A S D I A E A	
CGTACGAAAATCTGGCAAATTAGACCCAGACAATCATGGAGGACGTCAACCCAAGGAC	660
R T K I L A K L D P D N H G G R Q P K D	
GTTGATAACGCGTTCTGTTGGCAGCGCTCGGAATAGATGATGGCGTTAGC	720
V D T R S V G V G S A S G I D D G V V S	
GAAACCCATACTCAACAACAAATTCCAGCGTTCGCTCAGATCTAAATTCTGGTTCT	780
E T H T S T T N S S V R S D P K F W V S	
GTCGGCGCAATTGCTGCTGGTTAGCGGGACTGGCGGCAACTGGTATTGCACAGGCGTTG	840
V G A I A A G L A G L A A T G I A Q A L	
GCTTTGACACCGGAACCGGATGATCCTACAAACACCGATCCTGATCAGGCCAAATGCT	900
A L T P E P D D P T T T D P D Q A A N A	
GCAGAAAAGTGCACACAAAGATCAGTTAACCGAAGAACGATTCAAGAACCTGAGAACCGA	960
A E S A T K D Q L T Q E A F K N P E N Q	
AAAGTTAACATCGATCGAACCGGAATGCTATTCCGTCGGGAATTAAAGATGATATT	1020
K V N I D A N G N A I P S G E L K D D I	
GTTGAGCAAATGCACACAAAGCTAAAGAGGCTGGTGAGGTGGCCAGACAGCAGGCTGTT	1080
V E Q I A Q Q A K E A G E V A R Q Q A V	
GAAAGCAATGCACAGGCGCAGCGATATGAGGATCAGCATGCCAGACGTCAAGGAGGAA	1140
E S N A Q A Q Q R Y E D Q H A R R Q E E	
TTACAGCTTCATCGGTATTGGTACGGCTCAGCAGTCATTGATTGCTGGGGAA	1200
L Q L S S G I G Y G L S S A L I V A G G	

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ATTGGTGCTGGTGTAAACGACTGGCCTCCATAGACGAAATCAGCCGGCAGAACAGACAAC 1260
 I G A G V T T A L H R R N Q P A E Q T T
 ACTACAACAACACATAACGGTAGTCAGCAACAGACCGGAGGGATACCCAGCACAAGGTG 1320
 T T T T H T V V Q Q Q T G G I P Q H K V
 GCACTGATGCCACAAGAGCGAAGACGCTTCTCTGATAGACGTGATTGCAGGGAGTGT 1380
 A L M P Q E R R R F S D R R D S Q G S V
 GCATCGACACACTGGTCAGATTCTCTAGCGAAGTGGTTATCCATATGCTGAAGTTGGG 1440
 A S T H W S D S S S E V V N P Y A E V G
 GGGGCTCGGAATAGTCTATCGGCTCATCAGCCAGAAGAGCATATTTATGAGGTCGCT 1500
 G A R N S L S A H Q P E E H I Y D E V A
 GCAGATCCTGGTTATAGCTTATTCAAAGTTTCAGGGAGCGGCCAGTACCGGAAGG 1560
 A D P G Y S V I Q N F S G S G P V T G R
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 L I G T P G Q G I Q S T Y A L L A N S G
 GGATTGCGTTAGGTATGGAGGATTAACGAGTGGTGGCGAGACGGCAGTAAGTCTGTA 1680
 G L R L G M G G L T S G G E T A V S S V
 AATGCCGCACCAACGCCGGACCAGTACGTTCGTTAatatatctgtgagtatttagt 1740
 N A A P T P G P V R F V *
 tgaggtgggtgggtggggcgtttactagcgttaatgttcagagaacaacgtt 1800
 orFU →
 gcagcatggtaactctgaactctgttattataatcaattaagagaattataATGTC 1860
 M S
 ATCAAGATCTGAACCTTATTAGATAGGTTGCGGAAAAATTGGTGGATCTATTTC 1920
 S R S E L L L D R F A E K I G V G S I S



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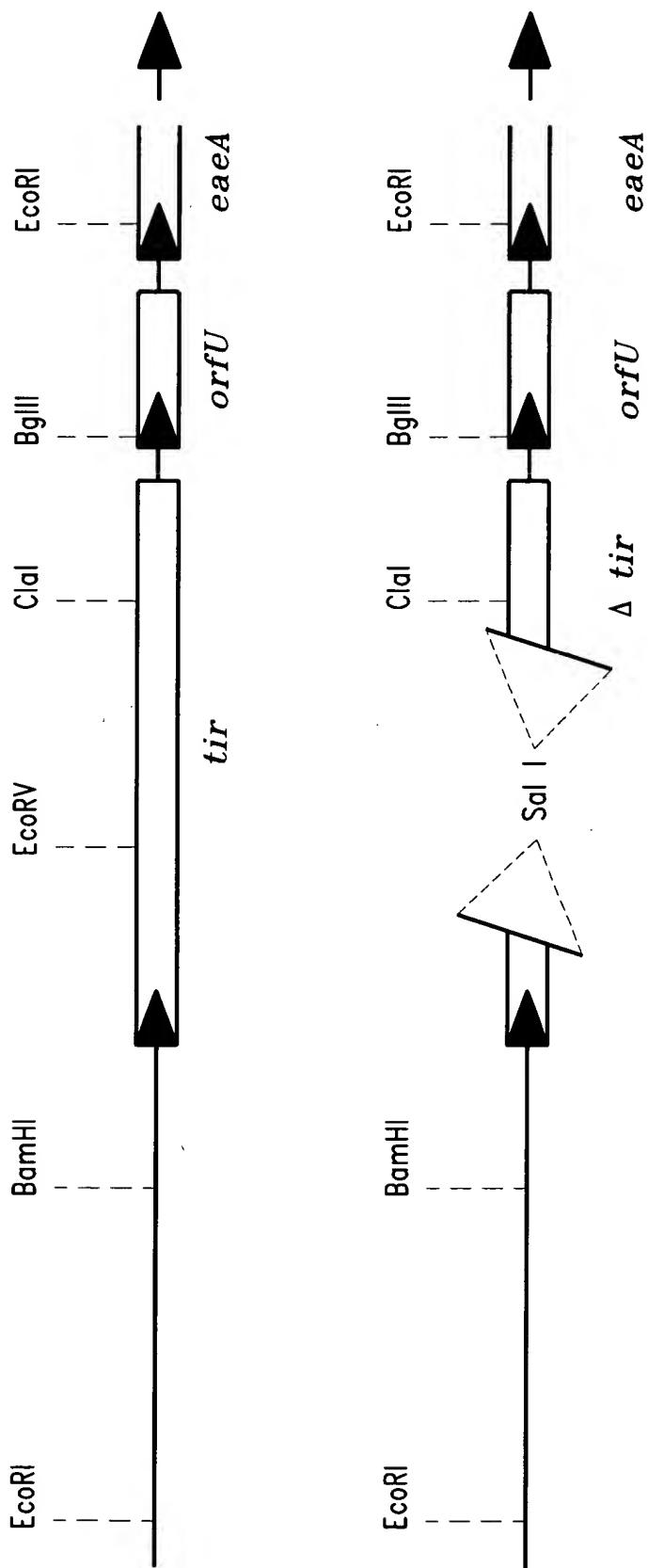


FIG. 6C

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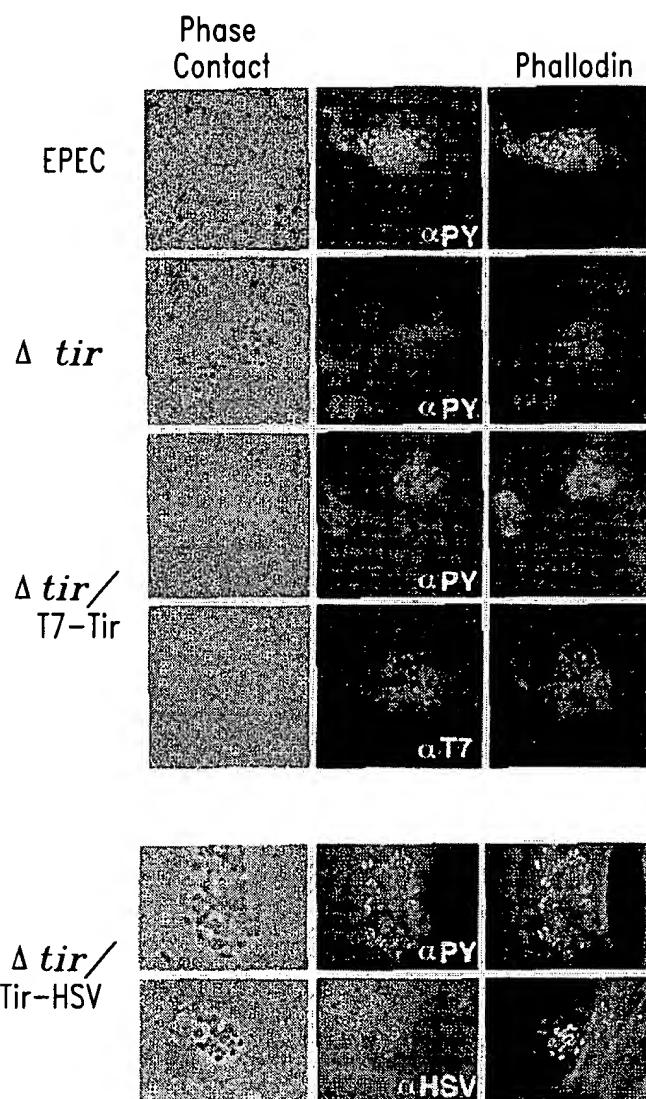


FIG. 7A

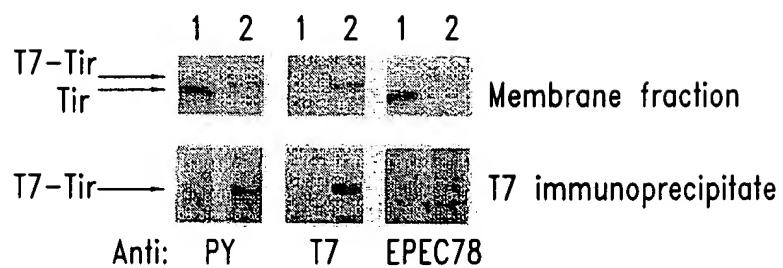


FIG. 7B

Serial No. 09/189,415 Docket No. 482112.402

Inventor(s): B. Brett Finlay et al.

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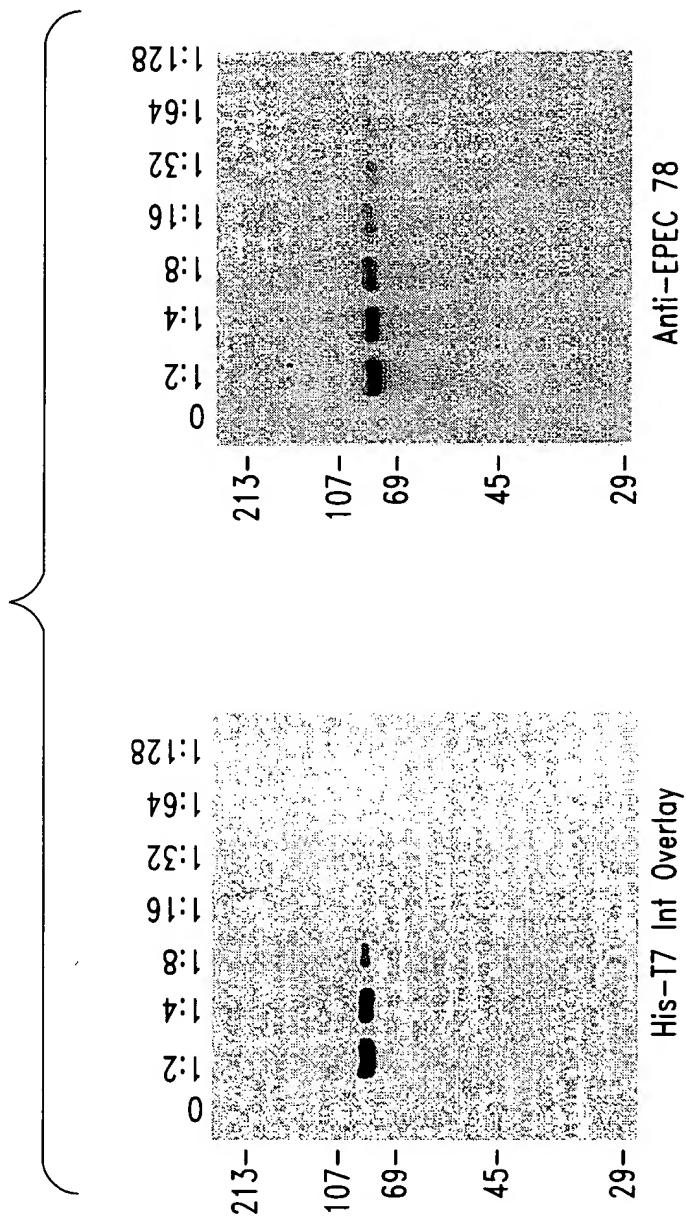


FIG. 8A



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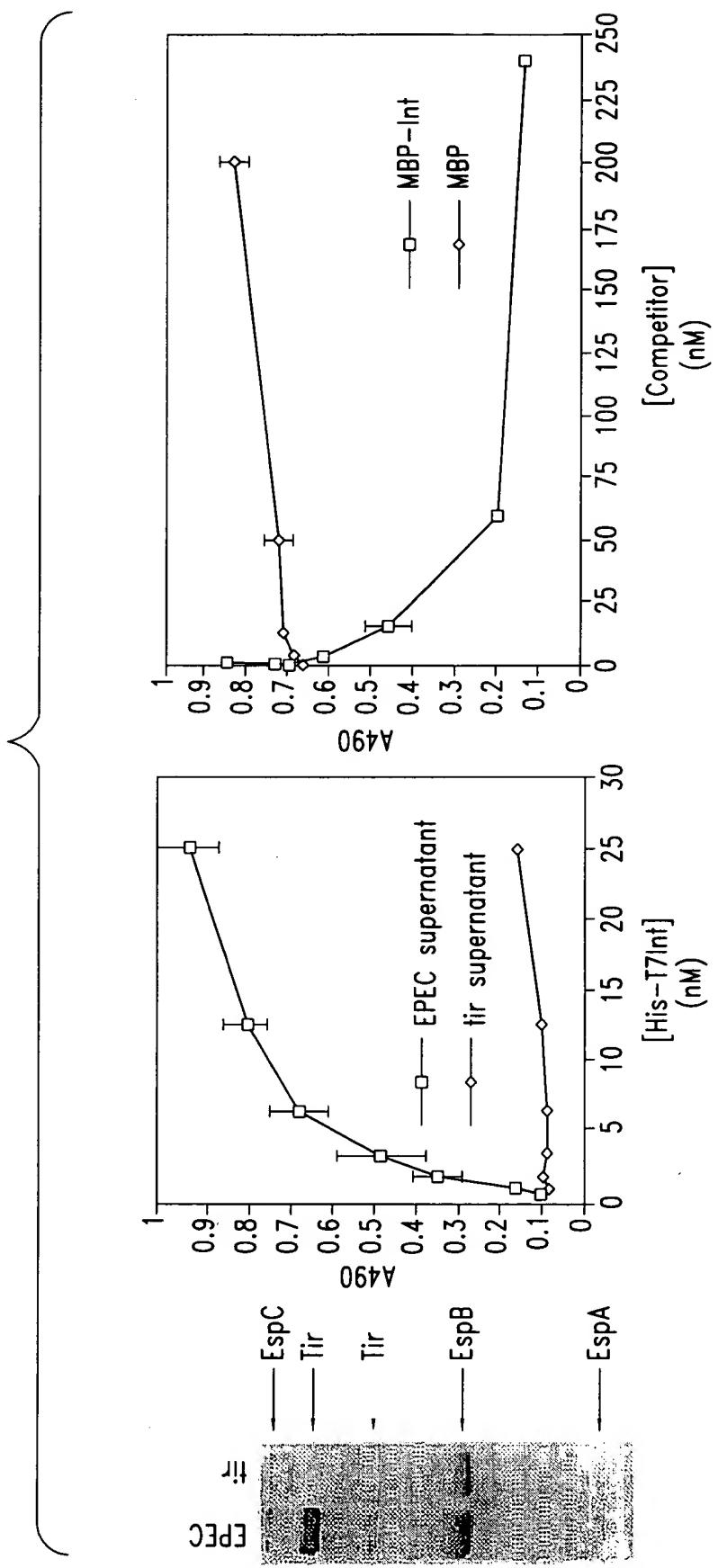


FIG. 8B



EPEC	1	[REDACTED]
EHEC	1	[REDACTED]
RDEC-1	1
EPEC	43	[REDACTED]
EHEC	41	[REDACTED]
RDEC-1	1
EPEC	83	[REDACTED]
EHEC	81	[REDACTED]
RDEC-1	29	[REDACTED]
EPEC	125	[REDACTED]
EHEC	123	[REDACTED]
RDEC-1	71	[REDACTED]
EPEC	167	[REDACTED]
EHEC	165	[REDACTED]
RDEC-1	113
EPEC	209	[REDACTED]
EHEC	206	[REDACTED]
RDEC-1	145	[REDACTED]
EPEC	251	[REDACTED]
EHEC	248	[REDACTED]
RDEC-1	187	[REDACTED]
EPEC	293	[REDACTED]
EHEC	290	[REDACTED]
RDEC-1	229	[REDACTED]
EPEC	335	[REDACTED]
EHEC	332	[REDACTED]
RDEC-1	271	[REDACTED]
EPEC	377	[REDACTED]
EHEC	374	[REDACTED]
RDEC-1	313	[REDACTED]

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EPEC	412	IPOHKVALMPQERRRFSDRRD[REDACTED]SOGSMASTHWSDDSSS.EVN[REDACTED]
EHEC	416	TPAQGNVDTPGSEDTM[REDACTED]SRRSSMASTSS[REDACTED]TSSIGTVNP
RDEC-1	347	ASAOQNTDTS[REDACTED]GPEESPASRRNISNASLASNGSDTSSTGT[REDACTED]VNP
473		
EPEC	453	[REDACTED]YAEVGGARNISLAHOPEEH[REDACTED]DEVAADPG...[REDACTED]Y[REDACTED]SVI[REDACTED]QHFS.G
EHEC	458	[REDACTED]YADVKTSLHDSQVPT[REDACTED]NSNTSVQNMGNTDSVU[REDACTED]Y[REDACTED]QHPPRD
RDEC-1	389	[REDACTED]YADVGM[REDACTED]RND[REDACTED]LARI[REDACTED]EEP[REDACTED]YDEVAADPN...[REDACTED]Y[REDACTED]SVI[REDACTED]QHFS.G
EPEC	491	[REDACTED]SGPVTGRL[REDACTED]GTPGQGIQSTY[REDACTED]ALLA[REDACTED]GG[REDACTED]RLGMGGL[REDACTED]TSGGET
EHEC	500	[REDACTED]TTDNGARLL[REDACTED]GNPSAGI[REDACTED]QSTY[REDACTED]Y[REDACTED]ALSGGLR[REDACTED]HDMGGL[REDACTED]TGG[REDACTED]NS
RDEC-1	427	[REDACTED]NSPVTGRL[REDACTED]GTPGQGIQSTY[REDACTED]Y[REDACTED]ALLA[REDACTED]GG[REDACTED]RLGMGGL[REDACTED]TGG[REDACTED]ES
EPEC	533	[REDACTED]AVSSVNAAPTPGPVRFV
EHEC	542	[REDACTED]AVNTSNNPPAPGSHRFV
RDEC-1	469	[REDACTED]AVSTANAAPTPGP[REDACTED]RFV

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